

**UTILITY PATENT APPLICATION TRANSMITTAL UNDER 37 C.F.R. §1.53(b)**

U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window, **Mail Stop Patent Application**  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

Case Docket No.: P-0590

031088 U.S. PTO  
10/674436  
100103

Sir:

Transmitted herewith for filing is the patent application of

INVENTOR OR APPLICATION IDENTIFIER: Dong-Hi SIM and Bong Hoe KIM

FOR: SPACE-TIME TRANSMIT DIVERSITY (STTD) FOR MULTIPLE ANTENNAS IN RADIO  
COMMUNICATIONS

Enclosed are:

1. ☒ 31 pages of specification, claims, abstract
2. ☒ 4 sheets of FORMAL drawing.
3. ☒ 2 pages of newly executed Declaration & Power of Attorney (copy).
4. ☒ Priority Claimed to Korean Patent Appln. No(s). 60230/2002 filed 10/02/2002, whose entire disclosure is incorporated herein by reference.
5. ☐ Applicant claims Small Entity Status.
6. ☐ Information Disclosure Statement, Form PTO-1449 and reference.
7. ☒ Assignment Papers for LG Electronics Inc. (cover sheet, assignment & assignment fee).
8. ☐ Certified copy of Korean Patent Appln. No(s). 60230/2002 filed 10/02/2002. To follow.
9. ☒ Two (2) return postcards.  
☒ Stamp & Return with Courier.  
☒ Prepaid Postcard-Stamped Filing Date & Returned with Unofficial Serial Number.
10. ☒ Authorization under 37 C.F.R. §1.136(a)(3).
12. ☐ Other:
11. ☐ Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i)

CLAIMS AS FILED					
For	No. Filed		No. Extra	Rate	Fee
Total Claims	24	- 20	4	X \$18.00	\$ 72.00
Indep. Claims	5	- 3	2	X \$84.00	\$ 172.00
Multiple Dependent Claims (If applicable)				X \$280.00	
BASIC FEE					\$ 750.00
TOTAL FILING FEE					\$1,014.00

☐ This is a Continuation-in-part (CIP) of prior application No: \_\_\_\_\_ filed \_\_\_\_\_. Incorporation By Reference-The entire disclosure of the prior application is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

☐ Amend the specification by inserting before the first line the sentence:

--This application is a continuation-in-part of Application Serial No. \_\_\_\_\_ filed \_\_\_\_\_ --

☒ A check in the amount of \$ 1,014.00 (Check # 10341) is attached.

☐ Please charge my Deposit Account No. 16-0607 in the amount of \$ \_\_\_\_\_. A duplicate copy of this sheet is enclosed.

☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 16-0607. A duplicate copy is enclosed.

☒ Any additional filing fees required under 37 C.F.R. 1.16.

☒ The Commissioner is hereby authorized to charge payment of following fees during the pendency of this application or credit any overpayment to Deposit Account No. 16-0607. A duplicate copy of this sheet is enclosed.

☒ Any patent application processing fees under 37 C.F.R. 1.17.

☒ Any filing fees under 37 C.F.R. 1.16 for presentation of extra claims.

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**Date: October 1, 2003**

**Please direct all correspondence to Customer Number 34610**

Docket No.: P-0590

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Application of

Dong-Hi SIM and Bong Hoe KIM

Serial No. New U.S. Patent Application

Filed: October 1, 2003

Customer No.: 34610

For: SPACE-TIME TRANSMIT DIVERSITY (STTD) FOR MULTIPLE  
ANTENNAS IN RADIO COMMUNICATIONS

**AUTHORIZATION TO TREAT A REPLY AS INCORPORATING  
AN EXTENSION OF TIME UNDER 37 C.F.R. §1.136(a)(3)**

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2011 South Clark Place  
Customer Window  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, Virginia 22202

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time under 37 C.F.R. §1.136(a)(3). The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 16-0607, if such fees are not otherwise provided for in such reply. A duplicate copy of this sheet is enclosed.

Respectfully submitted,  
FLESHNER & KIM, LLP

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